

## AMENDMENTS TO THE SPECIFICATION:

Please amend the specification as follows:

Page 1, after the title, insert the following subheading (centered):

a<sup>1</sup>

### BACKGROUND OF THE INVENTION

Page 3, before the paragraph beginning on line 12 with "We have discovered that," insert the following subheading (centered):

a<sup>2</sup>

### SUMMARY OF THE INVENTION

Page 4, before the paragraph beginning on line 7 with "Examples of olefins suitable," insert the following subheadings (centered) and paragraphs:

### BRIEF DESCRIPTION OF THE DRAWINGS

Fig. 1 is a graph showing the GPC of polyethylene produced in accordance with the process of the invention in the presence of diethylzinc and in the absence of diethylzinc;

Fig. 2 is a graph showing the distribution of even alkanes at different diethylzinc concentrations:

Fig. 3 is a graph showing yields of even alkanes at different reaction times;

Figs. 4 and 5 are graphs similar to the graph of Fig. 1;

Fig. 6 is a graph showing the distribution of even alkanes;

Fig. 7 is a graph similar to the graph of Fig. 1;

Fig. 8 is a graph showing that diethylzinc does not affect the branching level in the reaction;

Fig. 9 is a graph similar to the graph of Fig. 6;

Fig. 10 is a graph similar to the graph of Fig. 1;

Fig. 11 is a graph showing the hexane versus 1-hexene content of the toluene

a<sup>3</sup>

fraction;

Fig. 12 is a graph showing the GC-analysis of the toluene solution; and

Fig. 13 is a graph similar to the graph of Fig. 6.

#### DETAILED DESCRIPTION OF THE INVENTION

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